2012 LUMIX®
DMC-SZ1 Digital Camera

Screen image simulated.

Additional Colors:

25MM ULTRA WIDE ANGLE LEICA DC LENS WITH 10X POWERFUL OPTICAL ZOOM
High-quality optics give you beautiful images and a versatile zoom range.

HD VIDEO RECORDING IN MP4 FORMAT
Shoot beautifully detailed, crisp and vivid videos.

MEGA O.I.S. (OPTICAL IMAGE STABILIZER)
Compensates for hand-shake to help prevent blur in close-ups and long-zoom photos.

- 16.1 Megapixel CCD Sensor
- 3" LCD
- Miniature Effect
- High Speed Response Featuring Sonic Speed AF
- Auto Retouch
- LUMIX Image Uploader
- Panorama Shot
- USB Power Charge

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METRICS			
Dimensions (W x H x D)			99.0 x 59.4 x 21.0 mm (3.9 x 2.4 x 0.9 inch)
Weight			Approx. 114g without Battery and SD Memory Card (0.26 lb) Approx. 131g with Battery and SD Memory Card (0.30 lb)
OPTICS			
Pixels	Camera Effective Pixels		16.1 Megapixels
Sensor	Sensor Size / Total Pixels / Filter		1 / 2.33-inch CCD Sensor / 16.6 Total Megapixels / Primary Color Filter
Lens	Aperture		F3.1-F5.9 / 2-Step (F3.1 / 9.0 (W), F5.9 / 16.0 (T))
	Optical Zoom		10.0x
	Focal Length		f=4.5-45.0mm (25-250mm in 35mm equiv.) (27-270mm in 35mm equiv. in video recording)
	Extra Optical Zoom (EZ)		12.6x (4:3 / 10M), 18.0x (4:3 / 5M), 22.5x (4:3 / under 3M)
	Intelligent Zoom		20.0x
	Lens		LEICA DC VARIO-ELMAR 9 elements in 7 groups (4 Aspherical Lenses / 6 Aspherical surfaces)
	2-Speed Zoom		—
	Optical Image Stabilizer		MEGA O.I.S. (Off / On)
	Digital Zoom		4x
Focus	Focusing Area		Normal: Wide 50 cm - infinity / Tele 150 cm - infinity Macro / Intelligent AUTO/ Motion Picture: Wide 5 cm - infinity / Tele 150cm - infinity
	AF Assist Lamp		Yes
	Focus		Normal, AF Macro, Zoom Macro Quick AF (Always On), Continuous AF (only for Motion Picture) AF Tracking
	AF Metering		Face / AF Tracking / Multi (23pt) / 1pt
Shutter	Shutter Speed		approx. 8 - 1/1600 sec
Finder	Viewfinder		—
RECORDING			
File	File Format		Still Image: JPEG (DCF/Exif2.3) Motion Picture: MP4
Recording Modes	Mode Dial / Mode Button		Intelligent Auto, Normal Picture, SCN, Miniature
	Creative Control Mode		—
	Still Image Scene Mode		Portrait, Soft Skin, Scenery, Panorama, Sports, Night Portrait, Night Scenery, Food, Baby1, Baby2, Pet, Sunset, High Sensitivity, Glass Through, Photo Frame
	Continuous Shooting Mode		Full-Resolution Image, 1.3 frames/sec Max. 100 images High-speed Burst Mode: approx. 10 frames/sec (recorded in 3M for 4:3, 2.5M for 3:2, 2M for 16:9, 2.5M for 1:1) Max. 15-100 images
	Motion Picture Recording (*2)	HD Video	1280 x 720 pixels, 30fps (HD: 10Mbps / MP4) (Sensor output is 30p)
		STD Video	VGA: 640 x 480 pixels, 30fps (4Mbps / MP4)
		High Speed Video	—
Continuous recordable time (motion pictures)	AVCHD		—
	MP4		approx. 90 min (HD)
Actual recordable time (motion pictures)	AVCHD		—
	MP4		approx. 45 min (HD)
Exposure Parameters	Exposure		Auto (Program AE)
	Exposure Compensation		1/3 EV step, +/-2 EV
	Auto (AE) Bracketing		—
	Multi-Aspect		—
	Light Metering		Intelligent Multiple
	ISO Sensitivity		Auto / i.ISO / 100 / 200 / 400 / 800 / 1600 High Sensitivity Mode (ISO 1600-6400)
	Still Picture Recording	1:1	3456 x 3456 (12M)
		4:3	4608 x 3456 (16M) / 3648 x 2736 (10M EZ) / 2560 x 1920 (5M EZ) / 2048 x 1536 (3M EZ) / 640 x 480 (0.3M EZ)
		3:2	4608 x 3072 (14M)
		16:9	4608 x 2592 (12M)
	Image Quality		—
	White Balance		Auto / Daylight / Cloudy / Shade / Incandescent / White Set
	Photo Style / Film Mode		—
	Color Mode / Color Effect / My Color		Color Mode: Standard, Black & White, Sepia, Vivid (in normal / video), Happy (only in iA Mode)
	Picture Adjustment		—
	Digital Red-eye Correction (Red-eye Removal)		Yes
	GPS		—
	Wi-Fi		—
	Zoom In Motion Picture		Yes
	Self Timer		2sec / 10sec

PLAYBACK		
Display	Playback Mode	Normal Playback, Slideshow, Filtering Playback (Category, Favorites), Calendar Playback
	Thumbnails / Zoomed Playback	12, 30-thumbnails / Yes
	Calendar Display / Dual-Image Playback	Yes / No
	Set Favorites / Rotate Image	Yes / No
	Show Histogram	—
	Show Highlights	—
	DPOF Print Setting / Set Protection	Yes / Yes
Edit	Resize / Cropping / Aspect Conv. / Leveling	Yes / Yes / No / No
	Copy / Title Edit / Text Stamp	Yes / No / Yes
	Cut Animation	—
	Video Divide	Yes
	PictBridge Support	Single / Multi / All / Favorites / DPOF
SETUP		
OSD Language		Please refer to "OSD" Sheet
OTHERS		
Monitor	LCD Monitor	3.0" (7.5cm) TFT Screen LCD Display (230K dots) Field of View: approx. 100% AUTO Power LCD Mode, Power LCD Mode, High Angle Mode
Flash	Built-in-Flash	Auto, Auto / Red-eye Reduction, Forced On, Slow Sync. / Red-eye Reduction, Forced Off, 0.6-5.6m (Wide/i.ISO), 1.5-2.9m (Tele/i.ISO)
Media	Recording Media	Built-in Memory, SD Memory Card, SDHC Memory Card, SDXC Memory Card
	Built-in-Memory	Approx. 70MB
Audio	Microphone / Speaker	Mono / Mono
Interface	Interface	AV Output (NTSC), USB 2.0 High speed
Power	Power	Li-ion Battery Pack (3.6V, Minimum: 680mAh) AC Adaptor (Input: 110-240V AC) (Included, connect with USB cable, playback only)
	Battery Life (approx.)	250 pictures (CIPA Standard)*1
Standard Package	Included Software	PHOTOfunSTUDIO 8.0 Standard Edition Adobe Reader
	Standard Accessories	Please refer to "Accessories" Sheet

*1 Recording conditions by CIPA standard
– CIPA is an abbreviation of [Camera & Imaging Products Association].
– Temperature: 23°C (73.4°F) / Humidity: 50%RH when LCD monitor is on.
– Using a Panasonic SD Memory Card (32MB).
– Using the supplied battery.
– Starting recording 30 seconds after the camera is turned on. (When the optical image stabilizer function is set to [ON].)
– Recording once every 30 seconds with full flash every second recording.
– Rotating the zoom lever from Tele to Wide or vice versa in every recording.
– Turning the camera off every 10 recordings and leaving it until the temperature of the battery decreases.

*2 – These are standard times taken at a temperature of 23°C (73.4°F) and a humidity of 50%RH.
– The time available for recording varies depending on the environment, the interval between recordings, and the manner of use.
– Actual recordable time is the time available for recording when repeating actions such as switching the power supply [ON] / [OFF], starting/stopping recording, zoom operation, etc.

03/12 Specifications subject to change without notice.

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